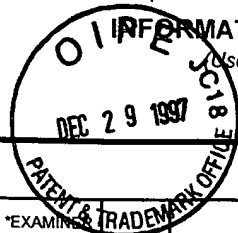


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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	AA	5,357,276	10/18/94	Banker et al.	-----	-----	
	AB	4,712,105	12/08/87	Kohler	-----	-----	
	AC	5,253,066	10/12/93	Vogel	-----	-----	
	AD	5,130,792	07/14/92	Tindell et al.	-----	-----	
	AE	5,152,011	09/29/92	Schwob	-----	-----	
	AF	4,996,597	02/26/91	Duffield	-----	-----	
	AG	5,341,166	08/23/94	Garr et al.	-----	-----	
	AH	4,706,121	11/10/87	Young	-----	-----	
	AI	5,144,663	09/01/92	Kudelski et al.	-----	-----	
	AJ	4,928,168	05/22/90	Iwashita	-----	-----	
	AK	5,105,269	04/14/92	Yamanouchi et al.	-----	-----	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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Q	AL	3-114,375	05/15/91	Japan	-----	-----		
	AM	3,935,294	04/25/91	Germany	-----	-----		
	AN	0 420 123	04/03/91	EPO	-----	-----		
	AO	62-24,777	02/02/87	Japan	-----	-----		
	AP	1-130,683	05/23/89	Japan	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	AQ	Reimer, "Memories In My Pocket", February 1991
Q	AR	Olshanasky et al., "Subscriber Distribution Networks Using Compressed Digital Video", November, 1992

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	BA 4,947,429	08/07/90	Bestler et al.	-----	-----	
	BB 5,093,718	03/03/92	Hoarty et al.	-----	-----	
	BC 5,046,093	09/03/91	Wachob	-----	-----	
	BD 5,020,129	05/28/91	Martin et al.	-----	-----	
	BE 4,792,972	12/20/88	Cook, Jr.	-----	-----	
	BF 5,077,607	12/31/91	Johnson et al.	-----	-----	
	BG 4,975,951	12/04/90	Bennett	-----	-----	
	BH 4,860,379	08/22/89	Schoeneberger et al.	-----	-----	
	BI 4,484,217	11/20/84	Block et al.	-----	-----	
	BJ 5,091,782	02/25/92	Krause et al.	-----	-----	
	BK 5,057,917	10/15/91	Shalkauser et al.	-----	-----	

FOREIGN PATENT DOCUMENTS

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Q	BL 92/17027	10/01/92	PCT	-----	-----		
	BM 91/00670	01/10/91	PCT	-----	-----		
	BN 0 424 648	05/02/91	EPO	-----	-----		
	BO 0 506 435	09/30/92	EPO	-----	-----		
	BP 0 402 809	12/19/90	EPO	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	BQ	Dinaro et al., "Markets and Products Overview", 1991
Q	BR	Advertisement, "Hong Kong Enterprise", November 1988

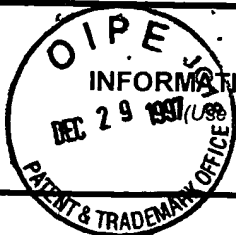
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	CA	5,049,990	09/17/91	Kondo et al.	-----	-----	
	CB	4,816,901	03/28/89	Music et al.	-----	-----	
	CC	4,688,246	08/18/87	Eilers et al.	-----	-----	
	CD	4,949,187	08/14/90	Cohen	-----	-----	
	CE	4,995,078	02/19/91	Monslow et al.	-----	-----	
	CF	5,027,400	06/25/91	Baji et al.	-----	-----	
	CG	5,130,792	07/14/92	Tindell et al.	-----	-----	
	CH	5,172,413	12/15/92	Bradley et al.	-----	-----	
	CI	5,206,722	04/27/93	Kwan	-----	-----	
	CJ	5,247,347	09/21/93	Litteral et al.	-----	-----	
	CK	5,166,886	11/24/92	Molnar et al.	-----	-----	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Q	CL	86/01,962	03/27/86	PCT	-----	-----		
	CM	89/09528	10/05/89	PCT	-----	-----		
	CN	92/21206	11/26/92	PCT	-----	-----		
	CO	90/10988	09/20/90	PCT	-----	-----		
	CP	01-142,918	06/05/89	Japan	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	CQ	Advertisement, "Great Presentations", 1987
Q	CR	Advertisement, "Consumer Dist.", Fall/Winter 1992

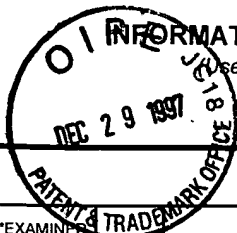
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	DA	5,223,924	06/29/93	Strubbe	-----	-----	
	DB	5,289,271	02/22/94	Watson	-----	-----	
	DC	4,959,810	09/25/90	Darbee et al.	-----	-----	
	DD	4,488,179	12/11/84	Kruger et al.	-----	-----	
	DE	4,977,455	12/11/90	Young	-----	-----	
	DF	5,151,789	09/29/92	Young	-----	-----	
	DG	D 301,037	05/09/89	Matsuda	-----	-----	
	DH	D 314,383	02/05/91	Hafner	-----	-----	
	DI	D 325,581	04/21/92	Schwartz	-----	-----	
	DJ	D 329,238	09/08/92	Grasso et al.	-----	-----	
	DK	D 331,760	12/15/92	Renk, Jr.	-----	-----	

FOREIGN PATENT DOCUMENTS

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Q	DL	0 355 697	02/28/90	EPO	-----	-----		
	DM	0 425 834	05/08/91	EPO	-----	-----		
	DN	0 513 763	11/19/92	EPO	-----	-----		
	DO	3- 198 119	08/29/91	Japan	-----	-----		
	DP	92/12599	07/23/92	PCT	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	DQ	van den Boom, "Interactive Videotex...", Nov-Dec 1986
Q	DR	Moloney, "Digital Compression in Todays...", June 6, 1993

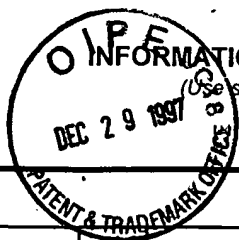
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CG	EA	5,015,829	05/14/91	Eilert et al.	-----	-----	
	EB	5,202,817	04/13/93	Koenck et al.	-----	-----	
	EC	5,253,275	10/12/93	Yurt et al.	-----	-----	
	ED	5,283,639	02/01/94	Esch et al.	-----	-----	
	EE	5,345,594	09/06/94	Tsuda	-----	-----	
	EF	5,416,508	05/16/95	Sakuma et al.	-----	-----	
	EG	4,961,109	10/02/90	Tanaka	-----	-----	
	EH	4,829,558	05/09/89	Welsh	-----	-----	
	EI	5,133,079	07/21/92	Ballantyne et al.	-----	-----	
	EJ	5,355,162	10/11/94	Yazolino et al.	-----	-----	
	EK	5,182,639	01/26/93	Jutamulia et al.	-----	-----	

FOREIGN PATENT DOCUMENTS

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							YES	NO
CG	EL	2,168,227	06/11/86	Great Britian	-----	-----		
	EM	2,044,574	12/14/92	Canada	-----	-----		
	EN	5250106	09/28/93	Japan Abstract	-----	-----		
	EO	61060150	03/27/86	Japan Abstract	-----	-----		
	EP	243,312	10/28/87	EPO	-----	-----		


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CG	EQ	Bestler, "Flexible Data Structures...", June 6, 1993
CG	ER	Gelman et al., "A Store-and-Forward...", June 21, 1991

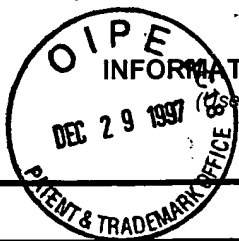
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				John S. HENDRICKS et al.				FILING August 15, 1997	
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
							YES	NO	
Q	FA	5,132,789	07/21/92	Ammon et al.	-----	-----			
	FB	4,876,736	10/24/89	Kiewit	-----	-----			
	FC	5,293,540	03/08/94	Trani et al.	-----	-----			
	FD	5,001,554	03/19/91	Johnson et al.	-----	-----			
	FE	5,410,326	04/25/95	Goldstein	-----	-----			
	FF	5,047,867	09/10/91	Strubbe et al.	-----	-----			
	FG	5,353,121	10/04/94	Young et al.	-----	-----			
	FH	5,414,426	05/09/95	O'Donnell et al.	-----	-----			
	FI	5,404,393	04/04/95	Remillard	-----	-----			
	FJ	5,237,311	08/17/93	Mailey et al.	-----	-----			
FK	5,078,019	01/27/92	Aoki	-----	-----				
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	
Q	FL	92/21206	11/26/92	PCT	-----	-----			
	FM	91/00670	01/10/91	PCT	-----	-----			
	FN	91/03112	03/07/91	PCT	-----	-----			
	FO	92/11713	07/09/92	PCT	-----	-----			
	FP								
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
Q	FQ	Sharpless, "Subscription teletext for value added services", August 1985							
Q	FR	Hewlett Packard Co., "HP-41C Operating Manual", December 1982							
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	GA	5,410,344	04/25/95	Graves et al.	-----	-----	
	GB	5,155,591	10/13/92	Wachob	-----	-----	
	GC	5,432,542	07/11/95	Thibadeau et al.	-----	-----	
	GD	5,036,537	07/30/91	Jeffers et al.	-----	-----	
	GE	5,323,240	06/21/94	Amano et al.	-----	-----	
	GF	5,367,571	11/22/94	Bowen et al.	-----	-----	
	GG	4,361,848	11/30/82	Poignet et al.	-----	-----	
	GH	5,260,778	11/09/93	Kauffman et al.	-----	-----	
	GI	3,891,792	06/24/75	Kimura	-----	-----	
	GJ	5,036,394	07/30/91	Morii et al.	-----	-----	
	GK	4,639,225	01/27/87	Washizuka	-----	-----	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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Q	GL	1,204,190	09/03/70	Great Britian	-----	-----		
	GM	3,423,846	01/09/86	Germany	-----	-----		
	GN	167,237	01/08/86	EPO	-----	-----		
	GO	149,536	07/24/85	EPO	-----	-----		
	GP	158,548	10/16/85	EPO	-----	-----		

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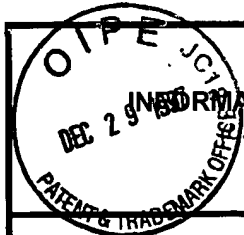
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	HA	4,829,569	05/09/89	Seth-Smith et al.	-----	-----	
	HB	4,605,964	08/12/86	Chard	-----	-----	
	HC	4,688,218	9/87 08/18/86	Bliveau et al.	-----	-----	
	HD	5,151,782	09/29/92	Ferraro	-----	-----	
	HE	5,206,954	04/27/93	Inoue et al.	-----	-----	
	HF	5,343,239	08/30/94	Lappington et al.	-----	-----	
	HG	5,327,554	07/05/94	Palazzi, III et al.	-----	-----	
	HH	4,724,491	02/09/88	Lambert	-----	-----	
	HI	5,375,068	12/20/94	Palmer et al.	-----	-----	
	HJ	5,216,515	06/01/93	Steele et al.	-----	-----	
	HK	5,339,315	08/16/94	Maeda et al.	-----	-----	

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Q	HL	145,063	06/19/85	EPO	-----	-----		
	HM	103,438	03/21/84	EPO	-----	-----		
	HN	399,200	11/28/90	EPO	-----	-----		
	HO	450,841	10/09/91	EPO	-----	-----		
	HP	62-245167	03/31/89	Japan	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

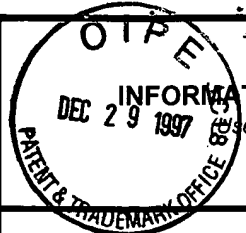
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U.S. PATENT DOCUMENTS

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Q	IA	4,697,209	09/29/87	Kiewit et al.	-----	-----	
	IB	5,481,294	01/02/96	Thomas et al.	-----	-----	
	IC	5,473,362	12/05/95	Fitzgerald et al.	-----	-----	
	ID	5,150,118	09/22/92	Finkle et al.	-----	-----	
	IE	5,479,268	12/26/95	Young et al.	-----	-----	
	IF	5,341,474	08/23/94	Gelman et al.	-----	-----	
	IG	5,319,455	06/07/94	Hoarty et al.	-----	-----	
	IH	5,477,263	12/19/95	O'Callaghan et al.	-----	-----	
	II	5,014,125	05/07/91	Pocock et al.	-----	-----	
	IJ	5,132,992	07/21/92	Yurt et al.	-----	-----	
✓	IK	4,517,598	05/14/85	Van Valkenburg et al.	-----	-----	

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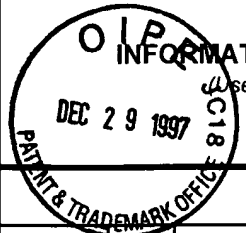
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JA		4,587,520	05/06/86	Astle	-----	-----	
JB		5,515,098	05/07/96	Carles	-----	-----	
JC		5,412,416	05/02/95	Nemirofsky	-----	-----	
JD		5,400,401	03/21/95	Wasilewski et al.	-----	-----	
JE		5,285,272	02/08/94	Bradley et al.	-----	-----	
JF		5,446,919	08/29/95	Wilkins	-----	-----	
JG		5,442,626	08/15/95	Wei	-----	-----	
JH		5,481,542	01/02/96	Logston et al.	-----	-----	
JI		5,481,296	01/02/96	Cargun et al.	-----	-----	
JJ		5,351,075	09/27/94	Herz et al.	-----	-----	
JK		5,483,278	01/09/96	Strubbe et al.	-----	-----	

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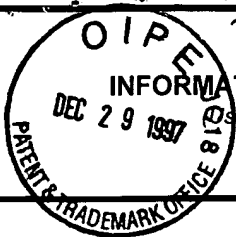
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ⓐ	KA	5,469,206	11/21/95	Strubbe et al.	-----	-----	
	KB	5,319,707	06/07/94	Wasilewski et al.	-----	-----	
	KC	5,242,770	06/13/95	Schmelzer et al.	-----	-----	
	KD	4,694,490	09/15/87	Harvey et al.	-----	-----	
	KE	4,465,825	10/23/90	Harvey et al.	-----	-----	
	KF	4,528,643	07/09/85	Freeny, Jr.	-----	-----	
	KG	5,237,610	08/17/93	Gammie et al.	-----	-----	
	KH	4,712,130	12/08/87	Casey	-----	-----	
	KI	5,282,028	01/25/94	Johnson et al.	-----	-----	
	KJ	5,644,354	07/01/97	Thompson et al.	-----	-----	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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ⓐ	KK	0 187 961	07/23/86	EPO	-----	-----		
ⓐ	KL	93/22877	11/11/93	WO	-----	-----		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Docket Number (Optional)

5098

Application Number

08/912,934

Applicant(s)

John S. HENDRICKS, et al.

Filing Date

August 15, 1997

Group Art Unit

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	AA	4,805,014	02/14/89	Sahara, et al.	1	1	
	AB	5,343,516	08/30/94	Callele, et al.	1	1	
	AC	5,570,126	10/29/96	Blahut, et al.	1	1	
	AD	5,661,516	08/26/97	Carles	1	1	
	AE	5,724,091	03/03/98	Freeman, et al.	1	1	

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
Q	AF	2177873A	01/28/87	GB	1	1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	AG	Sorce, et al., Human Factors In Telecommunications, October 29, 1996.

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Docket Number (Optional)

5098

Application Number

08/912,934

Applicant(s)

John S. Hendricks et al.

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U.S. PATENT DOCUMENTS

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	AA	4,381,522	04/26/83	Lambert			
	AB	5,500,794	03/19/96	Fujita et al.			
	AC	5,253,341	10/12/93	Rozmanith et al.			
	AD	5,073,930	12/17/91	Green et al.			
	AE	5,075,771	12/24/91	Hashimoto			
	AF	5,696,906	12/09/97	Peters et al.			
	AG	5,103,314	04/07/92	Keenan			
	AH	5,404,505	04/04/95	Levinson			
	AI	5,390,348	02/14/95	Magin et al.			

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
Q	AJ	JP 62-140134	06/23/87	Japan				✓
	AK	EP 281 293	09/07/88	European Patent Office				
	AL	EP 513,553	11/19/92	European Patent Office				
	AM	EP 570 785	11/24/93	European Patent Office				
	AN	EP 328 440	08/08/89	European Patent Office				✓

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	BA	5,293,633	03/08/94	Robbins			
	BB	5,038,402	08/06/91	Robbins			
	BC	5,663,757	09/02/97	Morales et al.			
	BD	4,398,216,	08/09/83	Field et al.			
	BE	4,633,462	12/30/86	Stifle et al.			
	BF	5,365,265	11/15/94	Shibata et al.			
	BG	5,396,546	03/07/95	Remillard			
	BH	5,461,667	10/24/95	Remillard			
	BI	5,561,708	10/01/96	Remillard			
	BJ	5,561,709	10/01/96	Remillard			
	BK	5,349,638	09/20/94	Pitroda et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CB	CA	5,440,632	08/08/95	Bacon et al.			
↓	CB	5,056,138	10/08/91	Tyson, Sr.			
↓	CC	4,621,282	11/04/86	Ahern			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CB	CD	JP 01-20454	01/30/89	Japan			✓	

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Q	AA	5,689,663	11/18/97	Williams			
	AB	4,885,803	12/05/89	Hermann et al.			
	AC	4,695,880	09/22/87	Johnson et al.			
	AD	4,829,372	05/09/89	McCalley et al.			
	AE	5,235,419	08/10/93	Krause			
	AF	4,197,590	04/08/80	Sukonick et al.			
	AG	3,978,470	08/31/76	McGuire			
	AH	4,528,589	07/09/85	Block et al.			
	AI	4,920,432	04/24/90	Eggers et al.			
	AJ	5,221,962	06/22/93	Backus et al.			

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		Document	Date	Country	Class	Sub-class	Translation Yes No
Q	AK	234223	11/11/94	Taiwan			
	AL	236065	12/11/94	Taiwan			
	AM	235359	12/1/94	Taiwan			
	AN	235358	12/1/94	Taiwan			
	AO	236744	12/21/94	Taiwan			
	AP	238461	04/23/92	Taiwan			

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Q	AQ	Sorce et al., Human Factors In Telecommunications, September 10-14, 1990
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<i>CB</i>	BA	5,185,667	05/04/99 2/9/00	Zimmermann et al.	—	—	
	BB	5,764,276	06/09/98	Martin et al.	—	—	
	BC	5,903,319	05/11/99	Busko et al.	—	—	
	BD	5,877,801	03/02/99	Martin et al.	—	—	
	BE	5,793,414	08/11/98	Shaffer	—	—	
	BF						
	BG						
	BH						
	BI						
	BJ						

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		Document	Date	Country	Class	Sub-class	Translation Yes No
<i>CB</i>	BK	42 14 184	11/12/92	DE	—	—	
	BL	0 377 334	07/11/90	EP	—	—	
	BM	0 277 014	08/03/88	EP	—	—	
	BN	0 314 572	05/03/89	EP	—	—	

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	CE						
	CF						
	CG						

FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes No
Ⓟ	CH	92/10040	06/11/92	WO			
↓	CI	0 299 830	01/18/89	EP			
	CJ	0 340 643	11/08/89	EP			
	CK	88/01463	02/25/88	WO			
	CL	0 396 186	10/07/90	EP			
	CM	80/00209	02/07/80	WO			

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	DA						
	DB						
	DC						
	DD						
	DE						
	DF						
	DG						

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		Document	Date	Country	Class	Sub-class	Translation Yes No
Q	DH	0 158 767	10/23/85	EP			
	DI	89/12370	12/14/89	WO			
	DJ	94/14282	06/23/94	WO			
	DK	96/25006	08/15/96	WO			
	DL	97/13368	04/10/97	WO			
	DM	96/08109	03/14/96	WO			

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	EA						
	EB						
	EC						
	ED						
	EE						
	EF						
	EG						

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		Document	Date	Country	Class	Sub-class	Translation Yes No
Q	EH	94/16527	07/21/94	WO			
	EI	0 620 689	10/19/94	EP			
	EJ	07-230466	08/29/95	JP			Abstract
	EK	0 539 106	04/28/93	EP			
	EL	0 472 070	02/26/92	EP			
	EM						

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